Hardware Announcement
August 5, 2003

IBM Infoprint 1332 L models offer great printers at a low price

Overview

IBM is adding new models to its Infoprint® 1332 printer line. The new L models achieve a lower price point than the other 1332 printer models by shipping to the customer with a lower capacity (5,000-print) toner cartridge.

The Infoprint 1332 is a 35 page per minute (PPM)[1] monochrome laser printer. This printer is ideal for small and medium workgroups because of its speed, scalable input and output capacity, durability, and highly reliable printing. The IBM Infoprint 1332 is small enough to fit on a desktop, but can also be adapted to floor-standing units with optional input options that can enable input capacities up to 3,850 sheets. The printer also offers a wide range of output options, including stapling capabilities, which can expand the printer's output capacity up to 2,750 sheets.

The printer supports a robust line of networking options, which includes Fast Ethernet, Token-Ring, Twinax, and Coax. All models have a Universal Serial Bus (USB) port standard for local connections, and optional parallel and serial connections are available. The base models additionally come with parallel standard. In terms of datastreams, the capability to integrate PCL 6 and PostScript 3 emulation, Page Printer Data Stream (PPDS), and PDF V1.2 and PDF V1.3 come standard; Intelligent Printer Data Stream™ (IPDS™) is optional.

[1] Exact speed varies depending on document complexity, system configuration, software application, driver, and printer state.

Planned availability date

August 15, 2003

At a glance

New lower-cost models of the IBM Infoprint 1332 printer offer the same functionality as other 1332 models but come with a smaller 5,000-print toner cartridge.

The Infoprint 1332 (35 PPM maximum speed) provides a high-speed laser printer with the highest levels of reliability, flexible input, output, and finishing options, and a smart implementation of networking options that small to medium-size workgroups will appreciate.

For ordering, contact:
Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

800-IBM-CALL Reference: YE001

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Description

The Infoprint 1332 is a monochrome printer that supports up to A4/Letter-size media at up to 35 pages per minute (PPM). The new models are lower-cost models that come with a 5,000-print toner cartridge instead of a 21,000-print cartridge. These new L models include both base models and network models.

- Base models

  The base models come standard with 32 MB of memory, a 100-sheet auxiliary tray, and one 250-sheet drawer. Standard input capacity is 350 sheets and standard output capacity is 250 sheets. Model 007 is the low-voltage model and 008 is the high-voltage model.

- Network models

  The network models come standard with 64 MB of memory, a 100-sheet auxiliary tray, one 250-sheet drawer, and a 10/100BaseTX Fast Ethernet port. Standard input capacity is 350 sheets and standard output capacity is 250 sheets. Model N07 is the low-voltage model and N08 is the high-voltage model.

All models have a maximum input capacity of 3,850 sheets and a maximum output capacity of 2,750 sheets.

High performance controller

The Infoprint 1332 controller features a 300 MHz processor. It comes with PostScript 3 and PCL 6 emulation, PDF V1.2 and V1.3 as standard data streams, and a PPDS migration tool.

- Memory

  The controller has two slots for memory DIMMs, two slots for flash memory cards or application solution cards, and one slot for internal network adapters, local adapters, or hard drives.

  The base models come with 32 MB of memory soldered onboard and can support a maximum of 288 MB of memory with two 128 MB DIMMs installed. The network models come with 64 MB of memory soldered onboard and can support a maximum of 320 MB of memory with two 128 MB DIMMs installed. A 20+ GB hard disk with adapter feature is available.

  Flash memory up to 32 MB is supported using the flash memory cards. Flash memory cards can be installed in either flash memory slot, but the controller supports only one flash memory card.

- Printer system attachment interfaces

  The base models come with an IEEE 1284 Parallel interface with a type B connector and a Universal Serial Bus (USB) interface as standard.

  The network models come with a USB interface and a 10/100BaseTX Fast Ethernet interface as standard. They do not have a Parallel interface. The standard Fast Ethernet interface does not take up the network adapter slot. Wireless Ethernet is supported through the wired Ethernet port on either the base models with the Ethernet option installed or the network models.

Usage rates

The maximum monthly usage is 175,000 impressions. IBM does not recommend printing to the monthly maximum on a consistent basis.

Print quality

The resolutions of the Infoprint 1332 are:

- 1200 x 1200 dpi
- 1200 Image Quality
- 600 x 600 dpi
- 300 x 300 dpi

The Toner Darkness setting offers 10 user-selectable settings to balance print darkness and toner savings. The higher the setting, the darker the print. Within the range of print darkness settings, up to 50% toner savings can be realized. The factory default setting is 8.

Font support

The Infoprint 1332 printer's resident fonts include support for following:

Emulation	Number of scalable fonts	Number of bitmapped fonts
PCL 6	89	2
PostScript 3	158	0
PPDS	39	5

Media handling features

The Infoprint 1332 supports the following media handling options:

- 250-Sheet Drawer
- 500-Sheet Drawer
- 2000-Sheet Drawer
- 250-Sheet Tray
- 500-Sheet Tray
- 250-Sheet Duplex Unit
- Envelope Feeder
- Output Expander
- High Capacity Output Stacker
- StapleSmart Finisher
- 250-Sheet Universally Adjustable Tray or Drawer (UAT)
- 400-Sheet Universally Adjustable Tray or Drawer (UAT)

Accessibility by people with disabilities

The following features support use by people with disabilities:

- Controls and latches are operable with one hand and minimal dexterity.
- Keys are discernible by touch without activating them.
- The display, controls, latches, and levers are accessible to someone in a wheel chair.
- Color is used as an enhancement for conveying information, and as an additional method of distinguishing between buttons, controls, and latches.

Trademarks

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IBM US Announcement Supplemental Information

August 5, 2003

Publications

All publications are downloadable from the IBM Web site. The following publications are shipped with the products:

- Infoprint® 1332 Setup Guide
- IBM Quick Reference Guide and Sleeve
- Registration/Fulfillment Card
- Op Panel Overlays (country dependent)

Displayable softcopy publications

The publications CD includes:

- Online User's Guide
- Setup Guide
- Quick Reference Guide (hardcopy also provided)

The Driver, MarkVision, and Utilities CD includes:

- Windows® 95/98/Me PCL 6 printer driver
- Windows 95/98/Me PostScript 3 printer driver
- Windows NT® 4.0 PCL 6 printer drivers
- Windows NT 4.0 PostScript 3 printer drivers
- Windows 2000/XP PCL 6 printer drivers
- Windows 2000/XP PostScript 3 printer drivers
- Enhanced printer drivers for Sun and Linux Systems
- MarkVision Professional (Windows 9x/Me, Windows NT 4.0, Windows 2000, Windows XP)
- AIX® colon files (R4.x)
- Apple Macintosh PostScript PPD files
- Apple Macintosh Screen Fonts
- Adobe/Aldus PageMaker PPD files
- Online Registration Utility via the Web
- Font Vision Utility and Screen Fonts

Technical information

Specified operating environment

Physical specifications

Dimensions

	Width	Depth	Height	Weight
Base Model	421.0 mm (16.6 in)	498.0 mm (19.6 in)	345.0 mm (13.6 in)	17.0 kg (38.0 lb)

Recommended clearances

	Left	Right	Front	Rear
Base Model	304.8 mm (12 in)	304.8 mm (12 in)	508.0 mm (20 in)	304.8 mm (12 in)

Operating environment

Operating

- Temperature: 16°C to 32°C (60°F to 90°F)
- Relative humidity: 8% to 80%
- Altitude: 3,048 meters (10,000 feet)

Storage and shipping

- Temperature: -40°C to 43°C (-4° to 110°F)
- Relative humidity: 5% to 95%
- Altitude: 0.25 atmospheric pressure (equivalent to 10,300 m, 34,000 ft)

Storage

- Temperature: -20°C to 40°C (-4° to 104°F)
- Relative humidity: 8% to 80%

Electrical specifications

- 110 —127 V ac at 50/60 Hz nominal
- 100 —137 V ac at 50/60 Hz extreme

Power consumption

Printing states	Infoprint 1332 base/network models power
Continuous Printing	580 watts
Standby (Power Saver Off)	95 watts
Standby (Power Saver On)	15 watts
Maximum current while printing	
Low-Voltage Printer	10.5 amps
High-Voltage Printer	5.0 amps

Note: All models are Energy Star compliant.

Acoustics: All measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

Meter average sound pressure, dBa

Mode	1-meter average sound pressure	Declared sound power level
Standby	31 dBa	4.6 bels
Simplex Printing	52 dBa	6.7 bels
Duplex Printing	55 dBa	

Planning information

Customer responsibilities: The Infoprint 1332 is designed as a Customer Setup Unit (CSU). The customer is responsible for:

- Adequate site, system, and other vendor preparation
- Receipt at the customer location and placement of the printer

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- Installation and configuration of the printer and features by following the installation instructions:
  - Installing and maintaining cables
  - Loading print media and clearing jams
  - Performing low-level problem determination
  - Ordering and installing supplies and consumables
- Working with IBM Technical Support to complete low-level problem determination:
  - Downloading and installing microcode updates as directed by the IBM Technical Support Center
  - Replacing defective features that were installed as part of the customer setup process

It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges and supplies items.

Cable orders: Attachment cables are not provided with the printer and must be provided or purchased by the customer. They are the responsibility of the customer and are not covered by product warranty or post-warranty services.

The Parallel printer cable features are recommended when attaching the printer to a Parallel port.

The Universal Serial Bus (USB) cable feature is recommended when attaching the printer to a USB port.

Packaging

Product	Description	Number of boxes
35 PPM Base Printer (Model 007)	Low-voltage printer/controller with 32 MB memory and 5K print cartridge, Quick Reference Guide, Setup Guide, Documentation CD, Registration Card, Operator Panel Overlays (non-English), Driver, Utilities, and MarkVision CD, and power cord	1
35 PPM Network Printer (Model N07)	Low-voltage printer/controller with 64 MB memory, Ethernet, and 5K print cartridge, Quick Reference Guide, Setup Guide, Documentation CD, Registration Card, Operator Panel Overlays (non-English), Driver, Utilities, and MarkVision CD, and power cord	1

Supplies: No supplies are required with the machine order. These models of the Infoprint 1332 are shipped with a 5,000-print cartridge. Replacement 5,000-print and 21,000-print cartridges are available. It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges.

IBM customers have come to expect high-quality supplies with competitive prices. IBM now offers a second option for purchasing supplies. Our new program offers you an opportunity to obtain toner cartridges that are even more competitively priced than before.

Through the IBM Printer Supplies Return Program, you may obtain a specially priced toner cartridge in exchange for your agreement to send your empty toner cartridges back to IBM. To make it even easier, you receive postage-paid return labels to cover toner return costs.

If you decide that you would rather not return the toner cartridge to IBM for recycling, you will have the option to purchase a standard toner cartridge at regular prices.

This program may not be available in all countries.

Supply items cannot be ordered as a service part. The customer is responsible for ordering and installing supplies. If the customer requests an IBM CE to install these items, it is a billable service call.

Supply warranties are for defects in materials and workmanship at the time of shipment and installation and as such are not covered under the base printer warranty or post-warranty service and support. The warranty does not cover print count life or normal wear and tear, nor any print count minimum.

Customers should contact their place of purchase for supplies issues.

IBM Workgroup Laser Printing Supplies are available around the world through a network of local dealers.

The following replacement supplies are available for the Infoprint 1332:

Description	Model	Part number	Approximate average yield[2]
5K Print Cartridge[3]	All	75P4300	5,000 impressions
5K IBM Return Program Cartridge	All	75P4301	5,000 impressions
21K Print Cartridge	All	75P4302	21,000 impressions
21K IBM Return Program Cartridge	All	75P4303	21,000 impressions
Staples Cartridges	All	28P2019	3 cartridges per box (15,000 total)

[2] Approximate yield has been established with an average coverage of 5%. An "impression" is defined as one printed side of a sheet. A duplex sheet would consist of two impressions. Toner darkness = 8.

[3] Select toner cartridges are available for purchase only at:

http://commerce.www.ibm.com

Maintenance supplies: The following maintenance supplies are available for the Infoprint 1332:

Description	Model	Part number	Approximate average yield[4]
Usage Kit (120 Volt)	All	56P1409	300,000 impressions
Usage Kit (220 Volt)	All	56P1412	300,000 impressions
Charge Roll Kit	All	28P2016	300,000 impressions
Transfer Roll Kit	All	56P1357	300,000 impressions

[4] Approximate yield has been established with an average coverage of 5%. An "impression" is defined as one printed side of a sheet. A duplex sheet would consist of two impressions. Toner darkness = 8.

The fuser assembly contained within the 1332 Usage Kits is not installable by the end user and must be installed

by a trained service technician. The cost of the kit and associated installation is not covered by product warranty or maintenance. A price has been established for the Infoprint 1332 Usage Kit installation as performed by IBM. End users pay a flat rate of $120.00 for installation by an IBM Customer Engineer (price does not include the kit, which must be purchased by the customer prior to the CE's arrival).

To arrange for an IBM Customer Engineer to install the Usage Kit in your Infoprint 1332, place a service call via the Web at:

http://www.printers.ibm.com/servicedirect

or call 800-358-6661 (Option #1). This program is applicable in the U.S. only.

The above items for the Infoprint 1332 are considered supplies and, as such, are not available from IBM service or included in the warranty or maintenance service agreement. If the customer requires IBM to install any supply items, IBM will do so at an additional cost to the customer.

The approximate average yields are not a warranty or guarantee of minimum life, and are provided to assist in initial supplies planning. Actual usage should be used to establish the supply's life in the end user's application. Many factors (for example, print coverage per page, machine settings, paper type and size, and environmental conditions) can affect supply life.

Supply warranties are only for defects in materials and workmanship at the time of shipment and installation. They are not for print count life or normal wear and tear, nor for any print count minimum. Contact your place of purchase for warranty return instructions.

IBM is committed to environmentally conscious programs for printer supplies. A collection program for used printer cartridges has been established and return instructions are included in the supply item packaging, with free return shipping.

Printing supplies can be ordered through your IBM authorized printer or supplies reseller. If you have no reseller, you can be directed to the closest one in your area and order supplies by following the instructions below.

IBM Printing Supplies are distributed by Priority Fulfillment Services (PFS) and a worldwide network of resellers. End users can contact PFS at 888-IBM-PRINT (888-426-7746) for the name of an IBM reseller in their area where IBM printing supplies can be purchased.

Resellers can mail orders for IBM printing supplies to PFS at the following address:

Priority Fulfillment Services
500 North Central Expressway
Plano, TX 75074
Telephone: 888-IBM-PRINT (426-7746)
Fax: 972-881-9201

Security, auditability, and control

This product uses the security and auditability features of the host hardware, host software, and application software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

This product is available for purchase under the terms of the IBM Customer Agreement.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may have been previously installed. Regardless, IBM warranty terms apply.

Volume orders: Contact your IBM representative.

IBM Global Financing: Yes

Warranty and maintenance for Infoprint 1332L

Warranty period

- Base printer: 12 months
- Optional features: 12 months

Hourly service class: Two

Warranty service

- Technical support during warranty period
- IBM Depot Exchange (EZS) 9 x 5, Monday through Friday, excluding holidays, next-business-day response

Warranty service upgrades

- IBM On-Site Repair (IOR) 9 x 5, Monday through Friday, excluding holidays, next-business-day response
- IBM IOR 24 x 7, same day, 4-hour average response

Post-warranty service: The following maintenance offerings are available:

- IBM EZS 9 x 5, Monday through Friday, excluding holidays, next-business-day response
- IBM IOR 9 x 5, Monday through Friday, excluding holidays, next-business-day response
- IBM IOR 24 x 7, same day 4-hour average response

ServicePacs for warranty and maintenance options: Refer to the **Prices** section for ServicePac® offerings.

Field-installable features: Yes

Model conversions: No

Machine installation: Customer setup. Customers are responsible for installation according to the instructions IBM provides with the machine.

Graduated charges: No

This product does not contain Licensed Internal Code or Licensed Machine Code.

Educational allowance: A reduced charge is available to qualified education customers. The educational allowance may not be added to any other discount or allowance.

Product charges

All features are both plant and field installable.

Machine type	Model	Feature number	Part number	Description	List price
4527	007		75P5045	Infoprint 1332L NA (LV)	$ 700
4527	N07		75P5046	Infoprint 1332L n NA (LV)	1,067
		4401	53P7947	250-Sheet Duplex Unit	332
		4501	28P1979	250-Sheet Tray	90
		4502	28P1980	500-Sheet Tray	106
		4505	28P1983	250-Sheet Drawer	234
		4506	28P1984	500-Sheet Drawer	286
		4520	28P1988	2000-Sheet Drawer (Letter)	913
		4521	28P1989	2000-Sheet Drawer (A4)	913
		4511	28P1987	Envelope Feeder	286
		4620	28P1990	Output Expander	234
		4630	28P1993	High Capacity Output Stacker	587
		4621	28P1991	StapleSmart Finisher	852
		4503	28P1981	250-Sheet Universal Tray	99
		4504	28P1982	400-Sheet Universal Tray	116
		4507	28P1985	250-Sheet Universal Adjustable Drawer	277
		4508	28P1986	400-Sheet Universal Adjustable Drawer	325
		4308	53P7601	8 MB Memory DIMM	92
		4316	53P7602	16 MB Memory DIMM	159
		4332	53P7603	32 MB Memory DIMM	305
		4364	53P7604	64 MB Memory DIMM	580
		4390	53P7605	128 MB Memory DIMM	927
		4036	75P4690	16 MB Flash Card	231
		4038	75P4691	32 MB Flash Card	439
		4329	75P4692	20+ GB Hard Disk with Adapter	572
		4876	75P4694	Optra Forms 16 MB Flash Card	564
		4881	75P4693	Optra Forms 32 MB Flash Card	772
		4877	75P4695	Optra Forms 20+ GB Hard Disk	905
		4871	28P1862	Optra Forms Software	479
		4872	28P1863	Optra Forms Director Software	822
		4880	53P9307	Optra Forms Manager	185
		4878	28P1869	Optra Forms 2-Key Security	412
		4879	28P1870	Optra Forms 3-Key Security	497
		4820	75P4297	Card for IPDS™ and SCS/TNe	599
		4821	75P4697	ImageQuick Card	265
		4870	75P4698	Bar Code Card	383
		4170	53P7854	802.11b Wireless Adapter	212
		4141	28P1842	Twinax/Coax Adapter for SCS	691
		4120	75P4696	Token-Ring	620
		4121	28P1836	Token-Ring-3 Port	573
		4162	75P4833	Ethernet 10/100BaseTX	488
		4163	28P1839	Ethernet 10/100BaseTX-1 Port	275
		4164	28P1840	Ethernet 10/100BaseTX-3 Port	380
		4165	28P1841	Ethernet 10/100TX/10Base2-1 Pt	287
		4132	28P1845	External Serial Adapter	105
		4138	75P4706	RS-232C Serial Interface Card	92
		4139	75P4707	Parallel 1284-B Interface Card	92
		4180	28P1871	10 ft. Parallel Cable	26
		4181	28P1872	20 ft. Parallel Cable	44
		4183	28P1874	50 ft. Serial Cable	38
		4184	28P1875	2-meter USB Cable	20
		4533	53P7950	T Printer Stand with Cabinet	433
		4534	53P7951	T Printer Stand	404
		4535	53P7952	T Low-Profile Printer Stand	428
		4536	75P4806	Printer Base	519
		4548	75P5013	Operator Panel Cover	29
		4811	75P4703	Simplified Chinese Font	239
		4812	75P4704	Traditional Chinese Font	239
		4810	75P4705	Japanese Font	239

ServicePacs

Machine type	Model	Description	Electronic part number	List price[5]
4527	007, N07	SVCPAC PTR 2YR DEPOT EZS 9X5/ND	96P2318	
4527	007, N07	SVCPAC PTR 3YR DEPOT EZS 9X5/ND	96P2319	
4527	007, N07	SVCPAC PTR 1YR IOR 9X5/NXTDAY	96P2322	
4527	007, N07	SVCPAC PTR 2YR IOR 9X5/NXTDAY	96P2323	
4527	007, N07	SVCPAC PTR 3YR IOR 9X5/NXTDAY	96P2324	
4527	007, N07	SVCPAC PTR 4YR IOR 9X5/NXTDAY	96P2325	
4527	007, N07	SVCPAC PTR 5YR IOR 9X5/NXTDAY	96P2326	
4527	007, N07	SVCPAC PTR 1YR IOR 24X7/SAMDAY	96P2327	
4527	007, N07	SVCPAC PTR 2YR IOR 24X7/SAMDAY	96P2328	
4527	007, N07	SVCPAC PTR 3YR IOR 24X7/SAMDAY	96P2329	
4527	007, N07	SVCPAC PTR 4YR IOR 24X7/SAMDAY	96P2330	
4527	007, N07	SVCPAC PTR 5YR IOR 24X7/SAMDAY	96P2331	

[5] ServicePac prices are available upon request.

Extended maintenance charges

Machine type	Model	Description	List price
4527	007, N07	PTR 2YR DEPOT EZS 9X5/ND	$139
4527	007, N07	PTR 3YR DEPOT EZS 9X5/ND	249
4527	007, N07	PTR 2YR IOR 9X5/NXTDAY	209
4527	007, N07	PTR 3YR IOR 9X5/NXTDAY	371
4527	007, N07	PTR 3YR IOR 24X7/SAMDAY	742

Low-end alternate service charges

Description	Machine type	Models	From service	To service	Price
Infoprint 1332	4527	007, N07	Depot	IOR 9 x 5	$ 65
Infoprint 1332	4527	007, N07	Depot	IOR 24 x 7	130

Low-end annual minimum maintenance charges

Description	Machine type	Model	Service offering	Price
Infoprint 1332	4527	007, N07	Depot	$152
Infoprint 1332	4527	007, N07	IOR 9 x 5	228
Infoprint 1332	4527	007, N07	IOR 24 x 7	456

For ServiceElect (ESA) Maintenance Service Charges, contact IBM Global Services at 888-IBM-4343 (426-4343).

Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Our offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit the Web at:

http://www.ibm.com/financing

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Reference: YE001

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